



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

ADAR, Ilan et al.

Examiner:

TORRES, J.

Serial No.:

09/978,165

Group Art Unit:

2133

Filed:

October 17, 2001

Title:

TWO-DIMENSIONAL INTERLEAVING IN A MODEM POOL

**ENVIRONMENT** 

RECEIVED

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450 MAY 1 8 2004

**Technology Center 2100** 

Sir:

## INFORMATION DISCLOSURE STATEMENT

-	Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement
nclud	es Form PTO-1449:
1. 🔲	listing documents including patents, publications and other information for consideration by
	the Examiner, however, since the subject application was filed after June 30, 2003, copies
	of United States patents, and/or United States patent applications, and/or United States
	patent application publications are not included in this information disclosure statement;
	and/or
2. 🔲	listing documents including patents, publications and other information that have been
	previously cited or submitted to the Patent Office in prior application U.S. Serial No.
	, filed which is properly identified and relied on for an earlier effective
	filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance
	with 37 C.F.R. 1.98(d), copies of such documents are not included in this information
	disclosure statement; and/or
3. 🛛	listing documents including patents, publications, and other information for consideration
	by the Examiner, copies of which are included with this information disclosure statement;

APPLICANTS: SERIAL NO.:

ADAR, Ilan et al. 09/978,165

FILED:

October 17, 2001

Page 2

4. Issting other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

				_				
I) [	$\boxtimes$	Within	three (3) months	of filing the	subject	Applicati	ion or entry	of the
subject.	Applic	ation in	nto the national stag	e or before	mailing	of the firs	st Office Act	tion on
the mer	its of	the su	bject Application of	r a request	for con	tinued ex	camination t	hereof,
whichev	er eve	nt occu	rs last pursuant to o	37 C.F.R §	1.97 (b);	or		
II) [		After the	he period specified	in (I) but be	fore the	mailing d	ate of either	a final
Official	Actio	n under	r 37 C.F.R §1.113	or a notice	of allowa	ince unde	er 37 C.F.R	§1.311
whichev	er occ	urs first	t and;	,				
1	l.		the undersigned he	eby states t	hat each i	item of in	oformation lis	sted on
t	the For	rm PTC	)-1449 was either (i	) cited in a	communi	cation fro	om a foreign	patent

office in a counterpart foreign application not more than three (3) months prior to

APPLICANTS: SERIAL NO.: FILED:

1.

ADAR, Ilan et al. 09/978,165 October 17, 2001

Page 3

the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

	2.		the undersigned hereby authorizes the Patent Office to charge the fe	зe
	in the	e amount	of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.	
Ш)		After	the period in (I) and (II) but before the payment of the issue fee and,	

The undersigned hereby states:

- a) \_\_\_\_ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or
- 2. The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 05-0649.

APPLICANTS: SERIAL NO.:

ADAR, Ilan et al. 09/978,165

FILED:

October 17, 2001

Page 4

**Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 05-0649.

Respectfully submitted

Guy Yonay

Attorney for Applicants Registration No. 52,388

Dated: May 13, 2004

Eitan, Pearl, Latzer & Cohen Zedek, LLP.

10 Rockefeller Plaza, Suite 1001 New York, New York 10020

Tel: (212) 632-3480 Fax: (212) 632-3490

ler the Pape		stitute for		49A/P	7	9	1		olete if Kno	wn	
					MAY	1 3 2004	Application Nu	mber	09/978,165		
11	NFOR	MATIC	ON D	ISCI	\ <b>e</b> sυ	RE &	Filing Date		October 17	7, 2001 O I P S	_
S	TATE	MENT	BY	APF	PLYCA	NT	First Named In	ventor	ADAR, ilan	<del></del>	द्ध
					1	HADEM	Group Art Unit		2133	MAY 1.2 cm	
	(use a	as many .	sheets	as ne	cessary)		Examiner Name	}	TORRES,		, , ,
Sheet	T	1 (	of 1				Attorney Docke		P-4451-US		<del>Les</del>
							<u> </u>		<u> </u>	RADEMAN	<u> </u>
						S. PATEN	T DOCUMENT	S		- Barra Calumna Li	
xaminer	Cite				ind Code <sup>2</sup> Name of F f known)		atentee or Applican		Publication of Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
nitials*	No. 1	Nur	nber	Kind (if kn			ited Document		-DD-YYYY		
0	AA	09/510,6	50			Barlev et al.		02-22-2	000 (filing date)		
	<b>↓</b>	<u> </u>				<u> </u>					
	-						•				
	<del> </del>	-			•••			<u> </u>		1	_
			0						R	FCFIVE	D
<u> </u>	ļ									MAY 1 8 2004	
		<u> </u>									
	<u> </u>								T l.	-lagu Contor	216
									Tech	nology Center	210
•									Tech	mology Center	210
•									Tech	mology Center	210
									Tech	nology Center	210
•									Tech	mology Center	210
									Tech	mology Center	210
									Tech	nology Center	210
•									Tech	mology Center	210
•									Tech	nology Center	210
									Tech	mology Center	210
c					·	IGN PAT	ENT DOCUME	NTS	Tech	nology Center	210
	Cite No. 1				FORE current ad Code <sup>5</sup> known)	Name	ENT DOCUME of Patentee or of Cited Document	Date of Po		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	Cite No. 1				cument	Name	of Patentee or	Date of Po	ublication of ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant	
	Cite No. 1				cument	Name	of Patentee or	Date of Po	ublication of ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant	
	Cite No. 1				cument	Name	of Patentee or	Date of Po	ublication of ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant	
	Cite No. 1				cument	Name	of Patentee or	Date of Po	ublication of ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant	
	Cite No. 1				cument	Name	of Patentee or	Date of Po	ublication of ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant	
examiner nitials*	Cite No. 1				cument	Name	of Patentee or	Date of Po	ublication of ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant	
	Cite No. 1				cument	Name	of Patentee or	Date of Po	ublication of ocument	Pages, Columns, Lines, Where Relevant Passages or Relevant	210

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Signature

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

BEST AVAILABLE COPY

Considered

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.